

Table 1.5b Historical Renewable Energy Consumption by Sector and Energy Source, 2000-2008

(Quadrillion Btu)

Sector and Source	2000	2001	2002	2003	2004	2005	2006	2007	2008
Total	6.260	5.311	5.888	6.141	6.247	6.407	6.825	6.719	7.367
Biomass	3.008	2.622	2.701	2.807	3.010	3.117	3.277	3.503	3.852
Biofuels ¹	0.236	0.253	0.303	0.404	0.500	0.577	0.771	0.991	1.372
Waste ²	0.511	0.364	0.402	0.401	0.389	0.403	0.397	0.413	0.436
Wood and Derived Fuels ³	2.262	2.006	1.995	2.002	2.121	2.136	2.109	2.098	2.044
Geothermal	0.317	0.311	0.328	0.331	0.341	0.343	0.343	0.349	0.360
Hydroelectric Conventional	2.811	2.242	2.689	2.825	2.690	2.703	2.869	2.446	2.512
Solar Thermal/PV ⁴	0.066	0.065	0.064	0.064	0.065	0.066	0.072	0.081	0.097
Wind	0.057	0.070	0.105	0.115	0.142	0.178	0.264	0.341	0.546
Residential	0.490	0.439	0.449	0.471	0.483	0.507	0.475	0.527	0.565
Biomass	0.420	0.370	0.380	0.400	0.410	0.430	0.390	0.430	0.450
Wood and Derived Fuels	0.420	0.370	0.380	0.400	0.410	0.430	0.390	0.430	0.450
Geothermal	0.009	0.009	0.010	0.013	0.014	0.016	0.018	0.022	0.026
Solar Thermal/PV ⁴	0.061	0.060	0.059	0.058	0.059	0.061	0.067	0.075	0.088
Commercial	0.128	0.101	0.104	0.113	0.118	0.119	0.117	0.118	0.125
Biomass	0.119	0.092	0.095	0.101	0.105	0.105	0.102	0.102	0.109
Biofuels ⁵	*	*	*	0.001	0.001	0.001	0.001	0.002	0.002
Waste ²	0.047	0.025	0.026	0.029	0.034	0.034	0.036	0.031	0.034
Wood and Derived Fuels ³	0.071	0.067	0.069	0.071	0.070	0.070	0.065	0.069	0.073
Geothermal	0.008	0.008	0.009	0.011	0.012	0.014	0.014	0.014	0.015
Hydroelectric Conventional	0.001	0.001	*	0.001	0.001	0.001	0.001	0.001	0.001
Solar Thermal/PV	-	-	-	-	-	-	-	-	*
Industrial	1.928	1.719	1.720	1.726	1.853	1.873	1.930	1.964	2.053
Biomass	1.881	1.681	1.676	1.679	1.817	1.837	1.897	1.944	2.031
Biofuels ⁶	0.100	0.110	0.133	0.173	0.209	0.237	0.295	0.387	0.544
Waste ²	0.145	0.129	0.146	0.142	0.132	0.148	0.130	0.144	0.144
Wood and Derived Fuels ³	1.636	1.443	1.396	1.363	1.476	1.452	1.472	1.413	1.344
Geothermal	0.004	0.005	0.005	0.003	0.004	0.004	0.004	0.005	0.005
Hydroelectric Conventional	0.042	0.033	0.039	0.043	0.033	0.032	0.029	0.016	0.017
Solar Thermal/PV	-	-	-	-	-	-	-	-	-
Wind	-	-	-	-	-	-	-	-	-
Transportation	0.135	0.142	0.170	0.230	0.290	0.339	0.475	0.603	0.827
Biomass	0.135	0.142	0.170	0.230	0.290	0.339	0.475	0.603	0.827
Biofuels ⁷	0.135	0.142	0.170	0.230	0.290	0.339	0.475	0.603	0.827
Electric Power ⁸	3.579	2.910	3.445	3.601	3.503	3.568	3.827	3.508	3.798
Electric Utilities	2.607	2.063	2.529	2.615	2.522	2.530	2.688	2.356	2.404
Biomass	0.021	0.014	0.033	0.029	0.031	0.040	0.042	0.048	0.047
Waste ²	0.014	0.008	0.022	0.012	0.011	0.013	0.015	0.016	0.018
Wood and Derived Fuels ³	0.007	0.006	0.011	0.017	0.020	0.027	0.027	0.032	0.029
Geothermal	0.003	0.003	0.029	0.026	0.026	0.024	0.024	0.024	0.025
Hydroelectric Conventional	2.582	2.044	2.465	2.556	2.461	2.455	2.598	2.241	2.263
Solar Thermal/PV	*	*	*	*	*	*	*	*	*
Wind	*	0.001	0.002	0.004	0.004	0.010	0.023	0.043	0.068
Independent Power Producers	0.972	0.847	0.916	0.986	0.981	1.038	1.139	1.152	1.394
Biomass	0.432	0.323	0.347	0.368	0.357	0.365	0.370	0.376	0.388
Waste ²	0.305	0.202	0.208	0.218	0.212	0.208	0.216	0.221	0.240
Wood and Derived Fuels ³	0.127	0.121	0.140	0.151	0.145	0.158	0.154	0.154	0.148

**Table 1.5b Historical Renewable Energy Consumption by Sector and Energy Source, 2000-2008
(Quadrillion Btu) (Continued)**

Sector and Source	2000	2001	2002	2003	2004	2005	2006	2007	2008
Geothermal	0.293	0.286	0.275	0.277	0.285	0.285	0.282	0.284	0.289
Hydroelectric Conventional	0.185	0.165	0.185	0.224	0.196	0.215	0.242	0.189	0.231
Solar Thermal/PV	0.005	0.006	0.006	0.005	0.006	0.005	0.005	0.006	0.008
Wind	0.057	0.068	0.103	0.111	0.138	0.168	0.240	0.297	0.478